

## Author Index

- Abo-Elnaga, S.A., *see* Badawi, M.A. et al.  
Abo-Sharkh, B.F.M., Crosby, E.J. and Dunn, S.A. (Madison, WI, USA)  
    Carboxylates by alkaline fusion of biomass ..... 115  
Asami, K., *see* Ohtsuka, Y. et al.  
Badawi, M.A. (Boston, MA, USA), El-Shinnawi, M.M. (Menofya, Egypt), Blanc, F.C.,  
    Wise, D.L. (Boston, MA, USA) and El-Shimi, S.A. (Giza, Egypt)  
    Production of acetic acid from thermally treated sewage sludge in an upflow anaerobic  
    reactor ..... 201  
Badawi, M.A., Blanc, F.C., Wise, D.L. (Boston, MA, USA), El-Shinnawi, M.M., Abo-  
    Elnaga, S.A. (Shibin El-Kom, Egypt) and El-Shimi, S.A. (Giza, Egypt)  
    Anaerobic treatment with methane recovery of agricultural and village wastes ..... 305  
Barrass, G., *see* Oehr, K.H. et al.  
Bisi, M., *see* Rovatti, M. et al.  
Blanc, F.C., *see* Badawi, M.A. et al.  
Blasig, J.D., Holtzapple, M.T., Dale, B.E., Engler, C.R. and Byers, F.M. (College Station,  
    TX, USA)  
    Volatile fatty acid fermentation of AFEX-treated bagasse and newspaper by rumen  
    microorganisms ..... 95  
Brenner, M.V., *see* Horner, R.R. and Brenner, M.V.  
Brenner, M.V. and Horner, R.R. (Seattle, WA, USA)  
    Effects of calcium magnesium acetate (CMA) on dissolved oxygen in natural wastes ... 39  
Bryan, W.L. (Peoria, IL, USA)  
    Research approaches to reduce CMA cost ..... 25  
Bungay, H. (Troy, NY, USA) and Peterson, J. (Albany, NY, USA)  
    CMA as a byproduct of the manufacture of fuel ethanol ..... 83  
Buteau, G.H., Cushman, J.R., Griffis, L.C., Rogers, B.C., Duke, J.T. and Cooper, P.N.  
    (Richmond CA, USA)  
    The effects of exposure to Chevron Ice-B-Gon® deicer in laboratory animals and  
    human volunteers ..... 133  
Byers, F.M., *see* Blasig, J.D. et al.  
Cooper, P.N., *see* Buteau, G.H. et al.  
Crosby, E.J., *see* Abo-Sharkh, B.F.M. et al.  
Cushman, J.R., *see* Buteau, G.H. et al.  
Dale, B.E., *see* Blasig, J.D. et al.  
Duke, J.T., *see* Buteau, G.H. et al.  
Dunn, S.A., *see* Abo-Sharkh, B.F.M. et al.  
El-Shimi, S.A., *see* Badawi, M.A. et al.  
El-Shinnawi, M.M., *see* Badawi, M.A. et al.  
Engler, C.R., *see* Blasig, J.D. et al.  
Ferraiolo, G., *see* Rovatti, M. et al.  
Goldman, C.R. and Lubnow, F.S. (Davis, CA, USA)  
    Seasonal influence of calcium magnesium acetate on microbial processes in 10  
    northern Californian lakes ..... 51

Griffis, L.C., <i>see</i> Buteau, G.H. et al.	
Harrison, D.P., <i>see</i> Silaban, A. et al.	
Holtzapple, M.T., <i>see</i> Blasig, J.D. et al.	
Horner, R.R. (Seattle, WA, USA) and Brenner, M.V. (Swannanoa, NC, USA)	
Environmental evaluation of calcium magnesium acetate for highway deicing applications .....	213
Horner, R.R., <i>see</i> Brenner, M.V. et al.	
Jain, D.K. (Jaipur, India) and Mora, J.C. (Bangkok, Thailand)	
Resource conservation in the pulp and paper industries—rational-use-of-energy approach .....	285
Lewis, V.P., <i>see</i> Yang, S.-T. et al.	
Lubnow, F.S., <i>see</i> Goldman, C.R. and Lubnow, F.S.	
Madan, N., <i>see</i> Sharma, S. and Madan, M.	
Menzies, T.R. (Washington DC, USA)	
Overview of National Research Council study on the comparative costs of using rock salt and CMA for highway deicing .....	43
Mora, J.C., <i>see</i> Jain, D.K. et al.	
Narcida, M., <i>see</i> Silaban, A. et al.	
Oehr, K.H. and Barrass, G. (Vancouver, B.C., Canada)	
Biomass derived alkaline carboxylate road deicers .....	155
Ohtsuka, Y. and Asami, K. (Katahira, Japan)	
In-bed sulfur removal during the fluidized bed combustion of coal impregnated with calcium magnesium acetate .....	69
Peterson, J., <i>see</i> Bungay, H. and Peterson, J.	
Pollock, S.J. (Wellesley Hills, MA, USA)	
Remediating highway deicing salt contamination of public and private water supplies in Massachusetts .....	7
Rogers, B.C., <i>see</i> Buteau, G.H. et al.	
Rovatti, M., Bisi, M. and Ferraiolo, G. (Genoa, Italy)	
High added value products from difficult wastes .....	271
Sharma, S. and Madan, M. (New Delhi, India)	
Optimal utilization of ericulture waste .....	295
Silaban, A., Narcida, M. and Harrison, D.P. (Baton Rouge, LA, USA)	
Calcium acetate as a sorbent precursor for the removal of carbon dioxide from gas streams at high temperature .....	139
Simons, G.A. (Andover, MA, USA)	
Predictions of CMA utilization for in-situ SO <sub>2</sub> removal in utility boilers .....	161
Tang, I.C., <i>see</i> Yang, S.-T. et al.	
Vitaliano, D.F. (Troy, NY, USA)	
Infrastructure costs of road salting .....	171
Wise, D.L. (Boston, MA USA)	
Introduction to CMA applications .....	1
Wise, D.L., <i>see</i> Badawi, M.A. et al.	
Yang, S.-T., Zhu, H., Lewis, V.P. and Tang, I.C. (Columbus, OH, USA)	
Calcium magnesium acetate (CMA) production from whey permeate: process and economic analysis .....	181
Zhu, H., <i>see</i> Yang, S.-T. et al.	